

Please delete pages 74-81 of the Specification ("SEQUENCE LISTING") and replace them with the substitute pages 1-15 of SEQUENCE LISTING provided herewith.

IN THE CLAIMS:

Please cancel claims 1-2 and 6-36 without prejudice to Applicants' right to continue to prosecute the subject matter of these claims in a divisional or related application.

Kindly replace claims 3-5 with the following substitute claims 3-5. An Appendix showing the changes to these claims is attached to this amendment, as required by 37 CFR § 1.121(a).

Kindly insert new claims 37-39.

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1 3. (Once Amended) An isolated DNA sequence encoding an adult human liver
2 flavin-containing monooxygenase FMOS, which DNA sequence hybridizes under strong
3 stringency conditions with 2X SSC containing 0.1% SDS at room temperature and then washed
4 with 1X SSC containing 0.1% SDS at 65°C to an oligonucleotide probe of at least 25 contiguous
5 nucleotides from SED ID NO: 5.

Sub B2
2 4. (Once Amended) The DNA sequence of Claim 3, wherein the DNA sequence is
SEQ ID NO: 5.

1 5. (Once Amended) A procaryotic or eucaryotic host cell containing DNA
2 sequences according to Claim 3 with a heterologous regulatory control sequence in an expression
3 vector therefor.

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1 Sub B3
2 37. (New) The DNA sequence of claim 3, wherein the DNA sequence encodes the
amino acid sequence of SEQ ID NO: 6.

1 38. (New) The DNA sequence of claim 3, wherein the DNA sequence is SEQ ID
2 NO: 7.